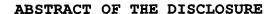**ABSTRACT OF THE DISCLOSURE**

SUPPORT FOR EXHAUSTION RECOVERY

IN A DATA PROCESSING SYSTEM WITH MEMORY COMPRESSION

A memory exhaustion condition is handled in a
data processing system having first and second regions of
physical memory. The memory exhaustion condition is
detected while the second region is mirroring at least part
of the first region. In response to the memory exhaustion
condition, memory mirroring is at least partially
deactivated and at least part of the second region is
utilized to augment the first region, such that the memory
exhaustion condition is eliminated. In an illustrative
embodiment, the data processing system compresses real
memory into the first region of physical memory, and the
memory exhaustion condition arises when the first region
lacks sufficient available capacity to accommodate current
requirements for real memory. The memory exhaustion
condition is eliminated by compressing at least part of the
real memory into the second region.

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